

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSPT-0570163791

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application or which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES:____ NO:____
			YES:____ NO:____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 568-3109

BEST AVAILABLE COPY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made or information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street

Cambridge, Massachusetts 02138

Patent Eugene O'Neil
Inventor's Signature

Inventor's Signature

Nov 20, 2000
Date

Date _____

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street

Cambridge, Massachusetts 02138

Elizabeth Jean O'Neil
Inventor's Signature

Inventor's Signature

Nov 20, 2001
Date

Date _____

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107

Redmond, Washington 98052

Inventor's Signature

Date _____

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE

Bellevue, Washington 98008

Inventor's Signature

Date _____

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION****ATTORNEY DOCKET NO. MSFT-0570/167379.1**

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:	Direct Telephone Calls To:
Contact Name: Peter M. Ullman	Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP	Contact Phone Number: (215) 566-3100
Firm Address: One Liberty Place - 46th Floor	
City, State and Zip: Philadelphia, Pennsylvania 19103	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9110 159th Place NE
Redmond, Washington 98052

Shankar Pal
Inventor's Signature

Nov. 16, 2001
Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Inventor's Signature

Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

**Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053**

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

**Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011**

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

**Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040**

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

**Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052**

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

**Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005**

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSFT-0570/167379.1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

☐ was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name Peter M. Ullman
Firm Name Woodcock Washburn LLP
Firm Address One Liberty Place - 46th Floor
City, State and Zip Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name Peter M. Ullman
Contact Phone Number (215) 568-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Gideon Schaller
Inventor's Signature

11-19-01
Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. MSFT-0570/167379.1

FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 568-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Inventor's Signature

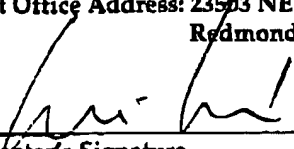
Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053


Inventor's Signature

11/20/2001
Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSFT-0570/167379.1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: ___ NO: ___
			YES: ___ NO: ___

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 568-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

**Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138**

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

**Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138**

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

**Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052**

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

**Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008**

Inventor's Signature

Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Jose A. Blakeley

Inventor's Signature

11/26/2001

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSFT-0570/167379.1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

☐ was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 368-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Inventor's Signature

Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Nigel Westbury

Inventor's Signature

November 19th, 2001.

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSFT-0570/167379.1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

☐ was filed on _____ as US Application Serial No. _____ or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 568-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Inventor's Signature

Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

Date

11/20/2001

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005

Inventor's Signature

Date

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. MSFT-0570/167379.1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "SYSTEM AND METHOD FOR RELATIONAL REPRESENTATION OF HIERARCHICAL DATA," the specification of which is filed herewith unless the following box is checked:

() was filed on _____ as US Application Serial No. _____ or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Add Attorney Name and Reg. No.	Katie E. Sako, Reg. No. 32,628	Daniel D. Crouse, Reg. No. 32,022	
Steven J. Rocci, Reg. No. 30,489	Peter M. Ullman, Reg. No. 43,963		

Send Correspondence to:

Contact Name: Peter M. Ullman
Firm Name: Woodcock Washburn LLP
Firm Address: One Liberty Place - 46th Floor
City, State and Zip: Philadelphia, Pennsylvania 19103

Direct Telephone Calls To:

Contact Name: Peter M. Ullman
Contact Phone Number: (215) 568-3100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Patrick Eugene O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Elizabeth Jean O'Neil

Citizenship: United States of America

Residence: Cambridge, Massachusetts

Post Office Address: 27 Ware Street
Cambridge, Massachusetts 02138

Inventor's Signature

Date

Full Name of Inventor: Shankar Pal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 9210 Red-Wood Road NE, Unit A107
Redmond, Washington 98052

Inventor's Signature

Date

Full Name of Inventor: Gideon Schaller

Citizenship: Israel

Residence: Bellevue, Washington

Post Office Address: : 1629 187th Avenue NE
Bellevue, Washington 98008

Inventor's Signature

Date

Full Name of Inventor: Istvan Cseri

Citizenship: Hungary

Residence: Redmond, Washington

Post Office Address: 23503 NE 61st Street
Redmond, Washington 98053

Inventor's Signature

Date

Full Name of Inventor: Jose A. Blakeley

Citizenship: Mexico

Residence: Bothell, Washington

Post Office Address: 15705 99th Avenue NE
Bothell, Washington 98011

Inventor's Signature

Date

Full Name of Inventor: Nigel Clifton Westbury

Citizenship: Great Britain

Residence: Mercer Island, Washington

Post Office Address: 9425 SE 54th Street
Mercer Island, Washington 98040

Inventor's Signature

Date

Full Name of Inventor: Sameet Agarwal

Citizenship: India

Residence: Redmond, Washington

Post Office Address: 8127 149th Place NE, Unit B309
Redmond, Washington 98052

Inventor's Signature

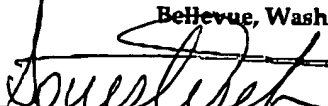
Date

Full Name of Inventor: F. Soner Terek

Citizenship: Turkey

Residence: Bellevue, Washington

Post Office Address: 13695 NE 32nd Place
Bellevue, Washington 98005



Inventor's Signature

11.26.2001
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Patrick Eugene O'Neil, Elizabeth Jean O'Neil,
Shankar Pal, Gideon Schaller, Istvan Cseri, Jose A.
Blakeley, Nigel Clifton Westbury, Sameet Agarwal,
and F. Soner Terek

Serial No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

For: SYSTEM AND METHOD FOR RELATIONAL
REPRESENTATION OF HIERARCHICAL DATA

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN LLP, One Liberty
Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney and/or Agents for Applicant(s),
hereby appoints the following:

Richard E. Kurtz	Registration No. 19,263	David A. Cherry	Registration No. 35,099
Dale M. Heist	Registration No. 28,425	Lynn A. Malinoski	Registration No. 38,788
John W. Caldwell	Registration No. 28,937	Steven B. Samuels	Registration No. 37,711
Gary H. Levin	Registration No. 28,734	Janet E. Reed	Registration No. 36,252
Dianne B. Elderkin	Registration No. 28,598	Jeffrey J. King	Registration No. 38,515
John P. Donohue, Jr.	Registration No. 29,916	Robert B. Washburn	Registration No. 16,574
Henrik D. Parker	Registration No. 31,863	Norman L. Norris	Registration No. 24,196
Suzanne E. Miller	Registration No. 32,279	Albert W. Preston, Jr.	Registration No. 25,366
Lynn B. Morreale	Registration No. 32,842	Anthony J. Rossi	Registration No. 24,053
Mark DeLuca	Registration No. 33,229	Terence P. Strobaugh	Registration No. 25,460
Joseph Lucci	Registration No. 33,307	Michael J. Swope	Registration No. 38,041
Michael P. Dunnam	Registration No. 32,611	Michael J. Bonella	Registration No. 41,628
Michael D. Stein	Registration No. 34,734	Harold H. Fullmer	Registration No. 42,560
Albert J. Marcellino	Registration No. 34,664	John E. McGlynn	Registration No. 42,863
David R. Bailey	Registration No. 35,057	Jonathan M. Waldman	Registration No. 40,861
Doreen Yatko Trujillo	Registration No. 35,719	Chad Ziegler	Registration No. 44,273
Barbara L. Mullin	Registration No. 38,250	Gwilym J.O. Attwell	Registration No. 45,449
Michael P. Straher	Registration No. 38,325	David N. Farsiou	Registration No. 44,104
Kevin M. Flannery	Registration No. 35,871	Paul K. Legaard	Registration No. 38,534


Steven H. Meyer	Registration No. 37,189
Paul B. Milcetic	Registration No. 46,261
Joseph R. Condo	Registration No. 42,431
Michael K. Jones	Registration No. 41,100
Frank T. Carroll	Registration No. 42,392
Thomas E. Watson	Registration No. 43,243
Eric H. Vance	Registration No. 47,151
Richard B. LeBlanc	Registration No. 39,495
Joseph D. Rossi	Registration No. 47,038
Rosaleen P. Morris-Oskanian	Registration No. 47,321
George J. Awad	Registration No. 46,528
Steven D. Maslowski	Registration No. 46,905
S. Maurice Valla	Registration No. 43,966
Emma R. Dailey	Registration No. 48,491
Vincent J. Roccia	Registration No. 43,887
Robin S. Quartin	Registration No. 45,028
Patrick J. Farley	Registration No. 42,524

Gregory L. Hillyer
Stephen C. Timmins
Erich M. Falke
Jane E. Inglese
Susan C. Murphy
Raymond N. Scott, Jr.
David L. Marcus
Lawrence A. Aaronson
John A. Harrelson
Sharon Fenick
Daniel D. Biesterveld
Phillip A. Singer
Christine A. Goddard
Ellen M. Klann
Andrew J. Hagerty
Scott E. Scioli

Registration No. 44,154
Registration No. 48,481
Registration No. 49,049
Registration No. 48,444
Registration No. 46,221
Registration No. 48,666
Registration No. 46,897
Registration No. 38,369
Registration No. 42,637
Registration No. 45,269
Registration No. 45,898
Registration No. 40,176
Registration No. 46,731
Registration No. 44,836
Registration No. 44,141
Registration No. 47,930

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN LLP at the above address.

Date: 11-30-01


Peter M. Ullman
Registration No. 43,963

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439